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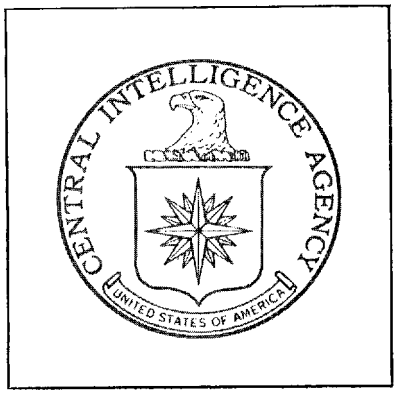
Top Secret

[redacted]



DIRECTORATE OF
INTELLIGENCE

Industrial Facilities
(Non-Military)

Basic Imagery Interpretation Report

Selected Electric Power Plants

Honan Province, China

Top Secret

25X1

[redacted]

25X1

Declass Review by NIMA / DoD

[redacted]

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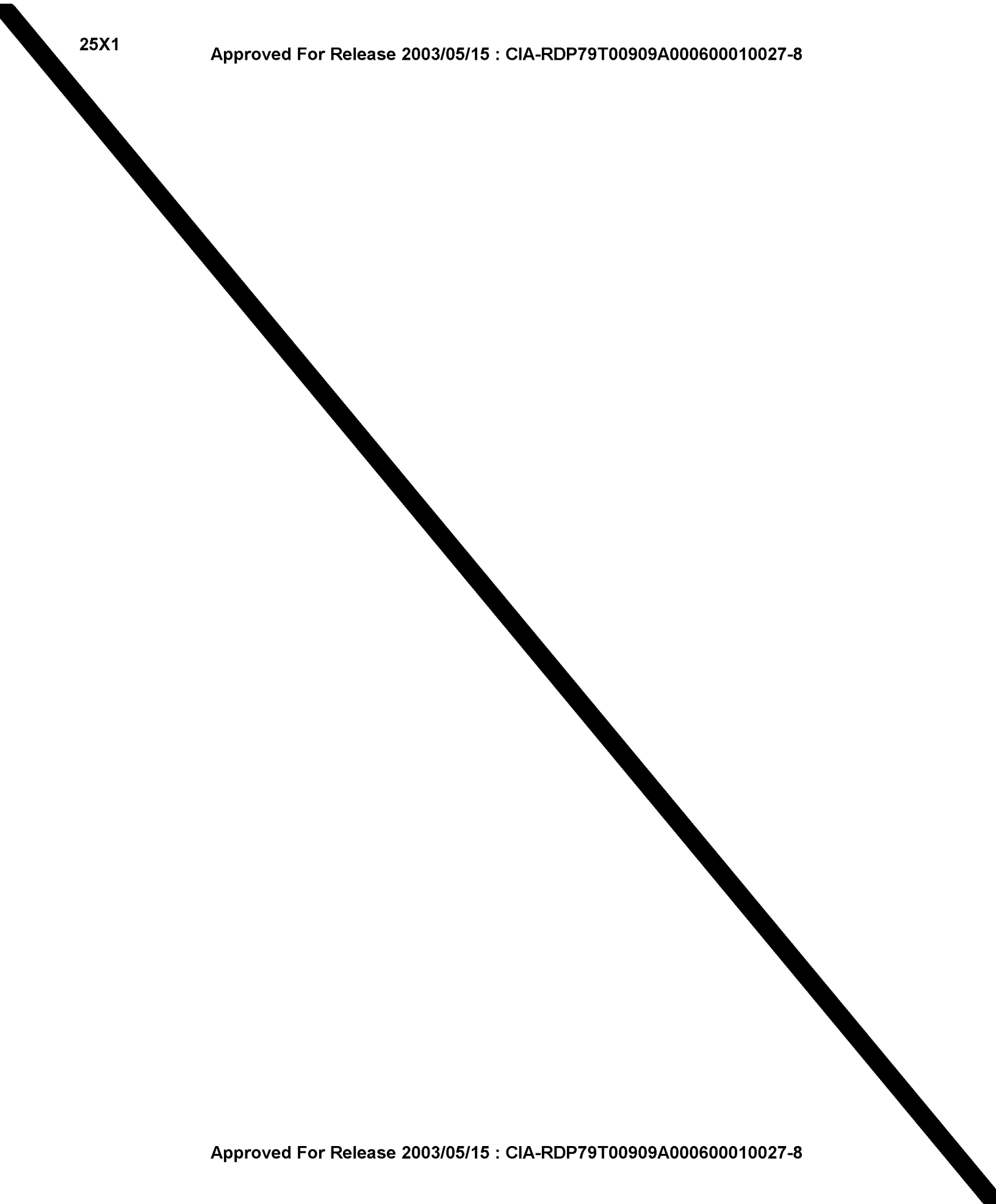

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CENTRAL INTELLIGENCE AGENCY
Directorate of Intelligence
Imagery Analysis Service

ABSTRACT

This report updates the previous basic reporting on four of the major electric power plants in Honan Province, east-central China. It also includes the initial basic reports on two additional plants, at Hsin-hsiang and [redacted]. The cutoff date for information is [redacted].

Hsin-hsiang Thermal Power Plant Shan-piao-chen was first observed under construction in [redacted]. It was complete and operating in [redacted].

[redacted]

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25X1

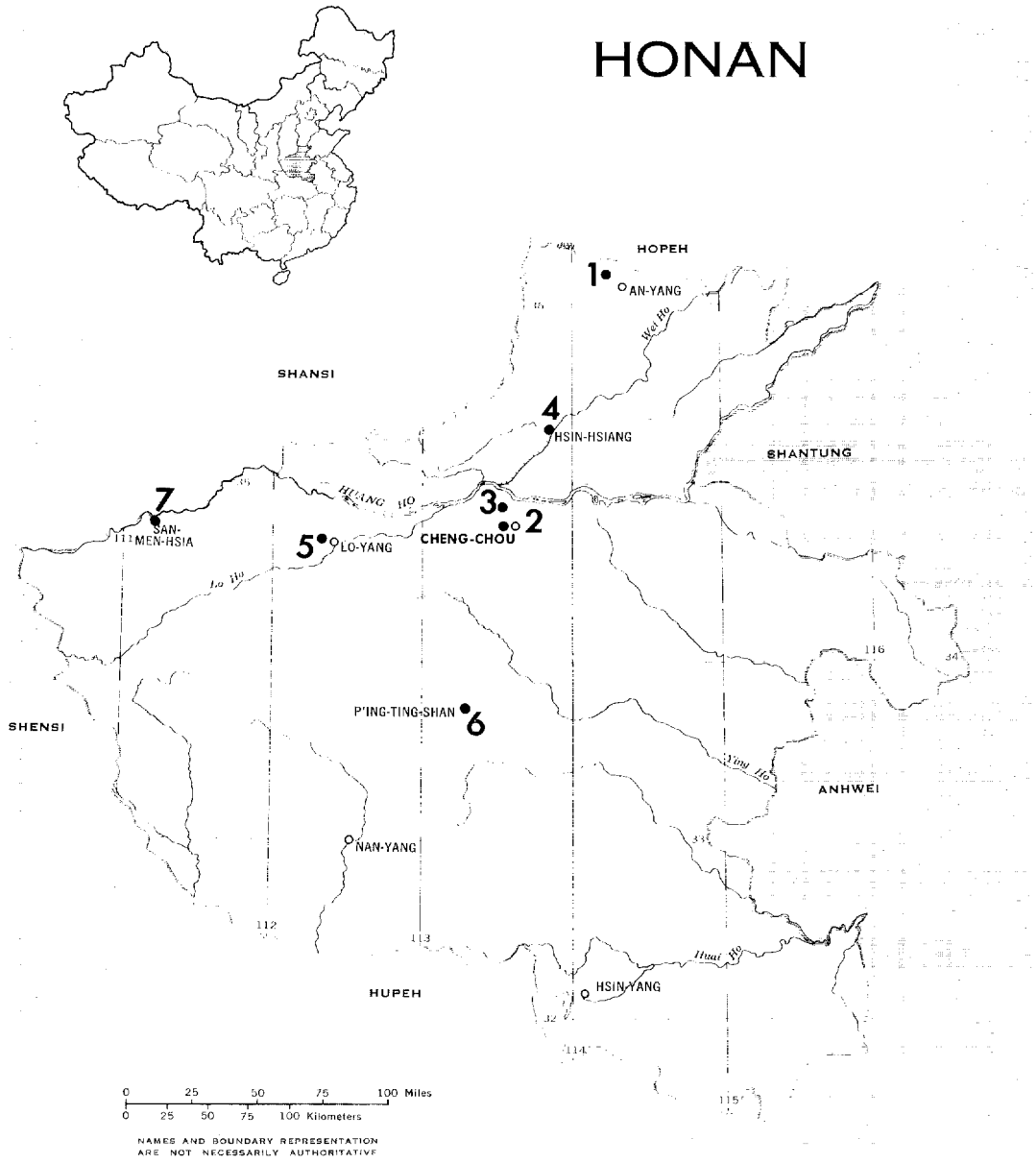

FIGURE 1. LOCATION MAP.

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INTRODUCTION

A total of seven major electric power plants in Honan Province have now been described in Basic Imagery Interpretation Reports. This report fulfills the FY-72 requirement for updates and initial reports on all of the following facilities except Cheng-chou Thermal Power Plant (see Figure 1). Details of the Cheng-chou plant can be found in previous Basic Reports.

1. An-yang Thermal Power Plant.
2. Cheng-chou Heat and Thermal Power Plant.
3. Cheng-chou Thermal Power Plant.
4. Hsin-hsiang Thermal Power Plant Shan-piao-chen.

25X1D [redacted]

Requirement

COMIREX NO5
Support Number 422716

25X1D [redacted]

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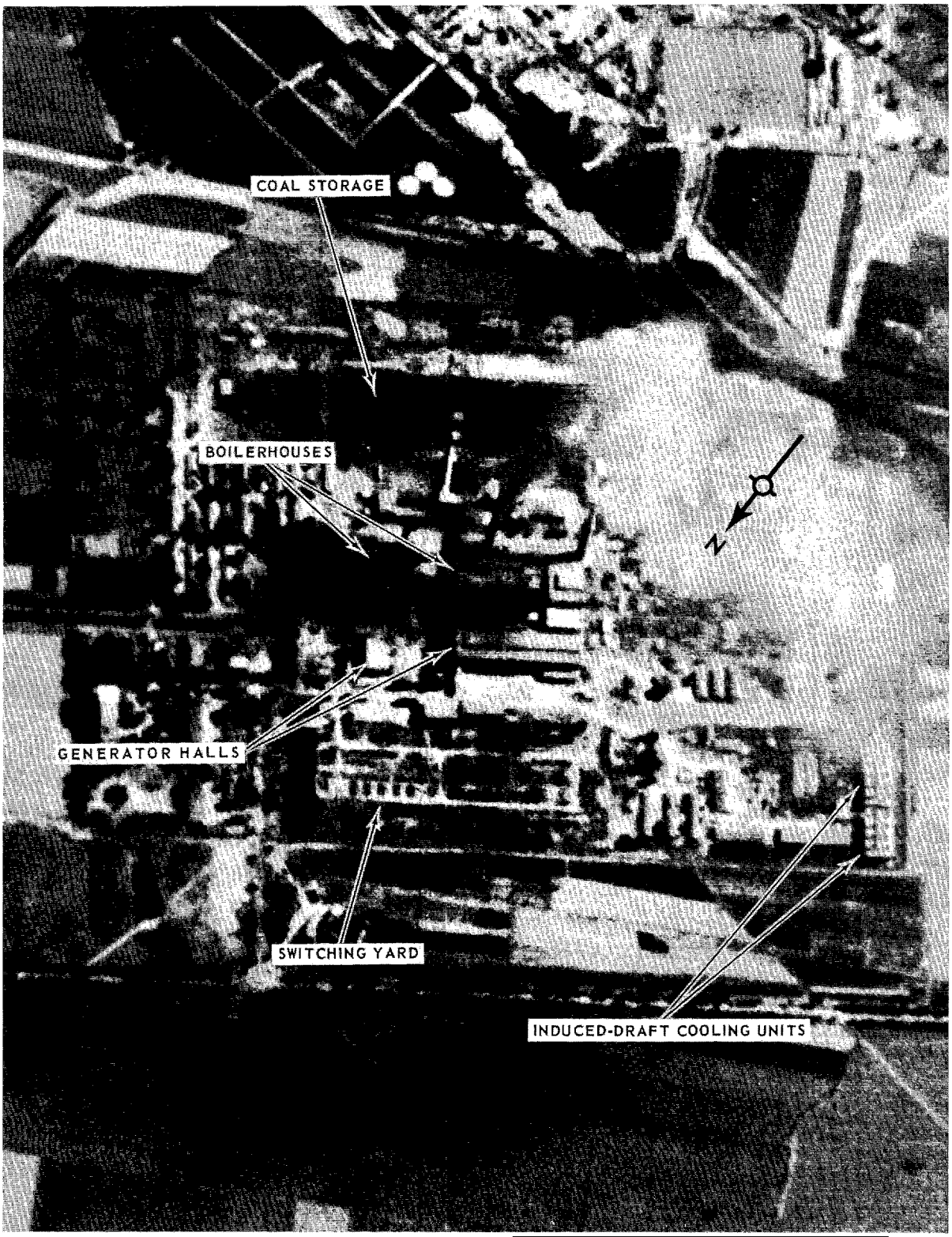

25X1D

FIGURE 2. AN-YANG THERMAL POWER PLANT.

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INSTALLATION OR ACTIVITY NAME	COUNTRY
An-yang Thermal Power Plant	CH

25X1A

UTM COORDINATES	GEOGRAPHIC COORDINATES
50SKR540005	36-07-30N 114-16-20E

[redacted]

MAP REFERENCE

25X1C [redacted] USATC, Series 200, Sheet M0382-24HL, 3rd ed, Aug 67, Scale 1:200,000

25X1C 25X1 (SECRET/[redacted] [redacted]

LATEST IMAGERY USED | NEGATION DATE (If required)

25X1D [redacted] NA

BASIC DESCRIPTION

25X1D

25X1D [redacted] No changes have been observed at An-yang Thermal Power Plant since the date of the latest photography used in the previous report. The position of the southern stack in relation to the boilerhouses indicates the plant may be expanded in the future.

25X1 The plant was operating in [redacted] as indicated by heavy smoke coming from the center stack of the three stacks serving the plant (see Figure 2).

Imagery Reference

25X1D [redacted]

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25X1

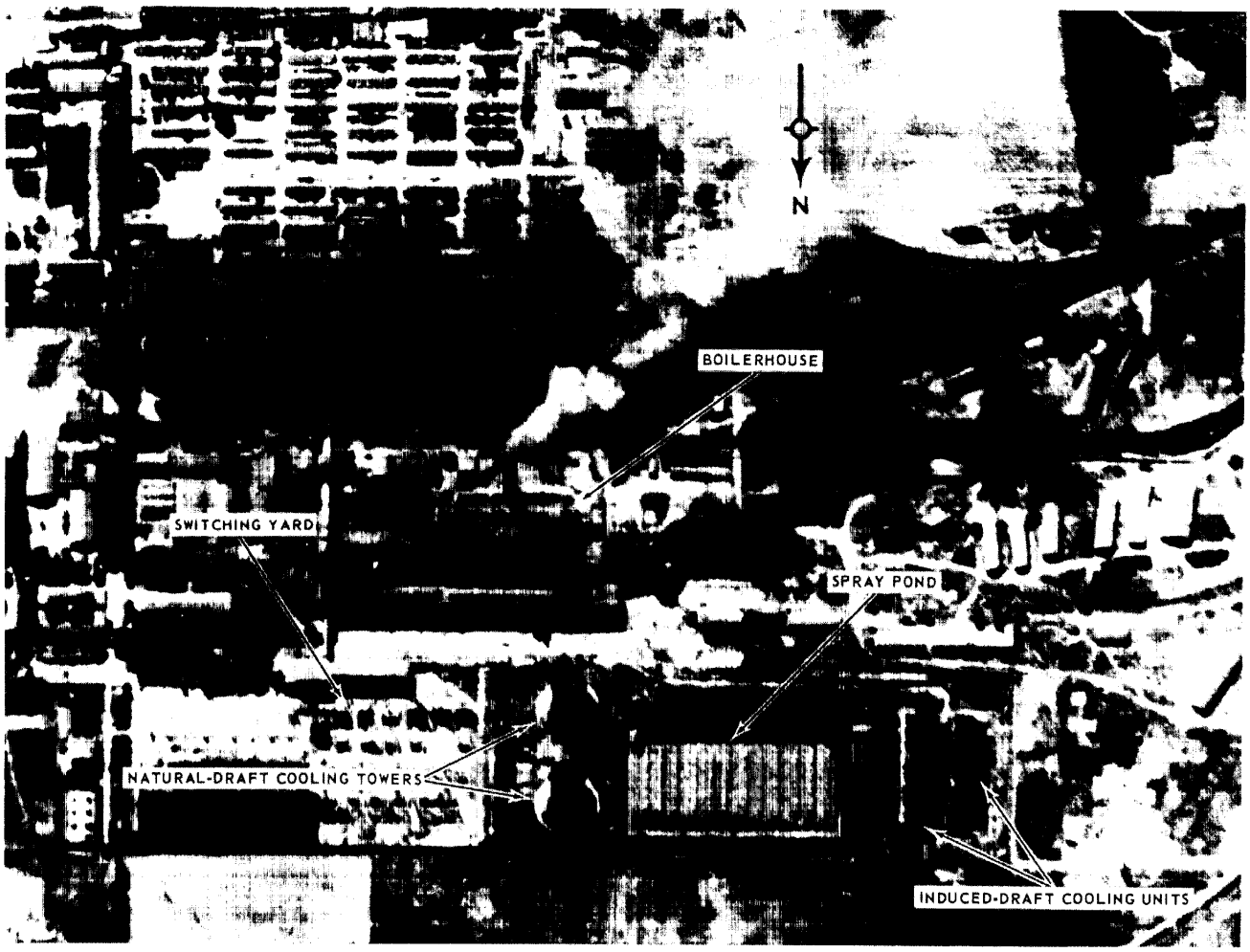

FIGURE 3. CHENG-CHOU HEAT AND THERMAL POWER PLANT

25X1D

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INSTALLATION OR ACTIVITY NAME	COUNTRY
Cheng-chou Heat and Thermal Power Plant	CH

25X1A

UTM COORDINATES	GEOGRAPHIC COORDINATES
49SGJ364496	34-46-08N 113-35-49E

MAP REFERENCE

25X1C [redacted] USATC, Series 200, Sheet 0385-9HL, 3rd ed, Aug 67, Scale 1:200,000

25X1C (SECRET) [redacted]

25X1

LATEST IMAGERY USED	NEGATION DATE (If required)
25X1D [redacted]	NA

BASIC DESCRIPTION

No changes have been observed at Cheng-chou Heat and Thermal Power Plant

25X1D since [redacted] the date of the latest photography used in the previous report.

25X1D The plant was operating in [redacted] Smoke was coming from both stacks, vapors from the two natural-draft cooling towers, and the spray pond was operating (see Figure 3).

Imagery Reference

25X1D [redacted]

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25X1

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25X1

FIGURE 4. HSIN-HSIANG THERMAL POWER PLANT SHAN-PIAO-CHEN,

25X1D

Key to Annotations

Item	Description	Dimensions (feet)
1	Switching yard	220 x 145
2	Control house	175 x 30
3	Generator hall	330 x 85
4	Boilerhouse	250 x 145
5	Water treatment facility	250 x 45
6	Natural-draft cooling towers (4)	--
7	Coal storage and handling facilities	--

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25X1

INSTALLATION OR ACTIVITY NAME		COUNTRY
Hsin-hsiang Thermal Power Plant Shan-piao-chen		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
49SGK657205	35-24-30N 113-55-30E	

25X1A

MAP REFERENCE

25X1C USATC, Series 200, Sheet 0385-4HL, 2nd ed, Sep 67, Scale 1:200,000

25X1C (SECRET)

LATEST IMAGERY USED | NEGATION DATE (If required)

25X1D

BASIC DESCRIPTION

Hsin-hsiang Thermal Power Plant Shan-piao-chen is located 6.5 nm northeast of Hsin-hsiang. It is served by road and rail.

25X1D On photography of the plant consisted of a boilerhouse with three boiler units, a generator hall, four natural-draft cooling towers, a control house, at least two transformers, and a switching yard (see Figure 4).

25X1D Construction of the plant began after one section of boilerhouse and one section of generator hall appeared complete, and a second section was being added to each. In addition, a coal processing facility, the control house, and one cooling tower had been constructed. Work had started on the switching yard, the water treatment facility, and the base for a second cooling tower.

25X1D In the second boilerhouse section was completed, a third boilerhouse section was under construction, and the entire generator hall was in the final stage of construction. The second cooling tower was complete and a third was under construction. The switching yard and water treatment facility
25X1D were externally complete. By the third cooling tower was
25X1D complete and the base for a fourth cooling tower was evident. The third boilerhouse section was externally complete in

25X1D

25X1D The plant was first observed operating in when smoke was coming from the stack and vapor from one of two completed cooling towers. Smoke
25X1D was observed coming from the stack on all subsequent coverages except that of
25X1D One cooling tower was operating in
25X1D Two towers were operating in and three

25X1D

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25X1D

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[redacted]

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